

WIRELESS NETWORKING-ET4394

Wireshark Assignment

Collect data on SSID of a large set of APs perform lexical analysis

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PROJECT SETUP

- Collect as much diverse data as possible
- Collected data across student housings, around city and campus.
- Filtered the data for only MAC addresses and SSID
- Observed patterns in SSID names, average length, Common words
- Find default and hidden SSID's

OBSERVATIONS

Observations made for data captured across housing areas:

Average length of SSID found= 11

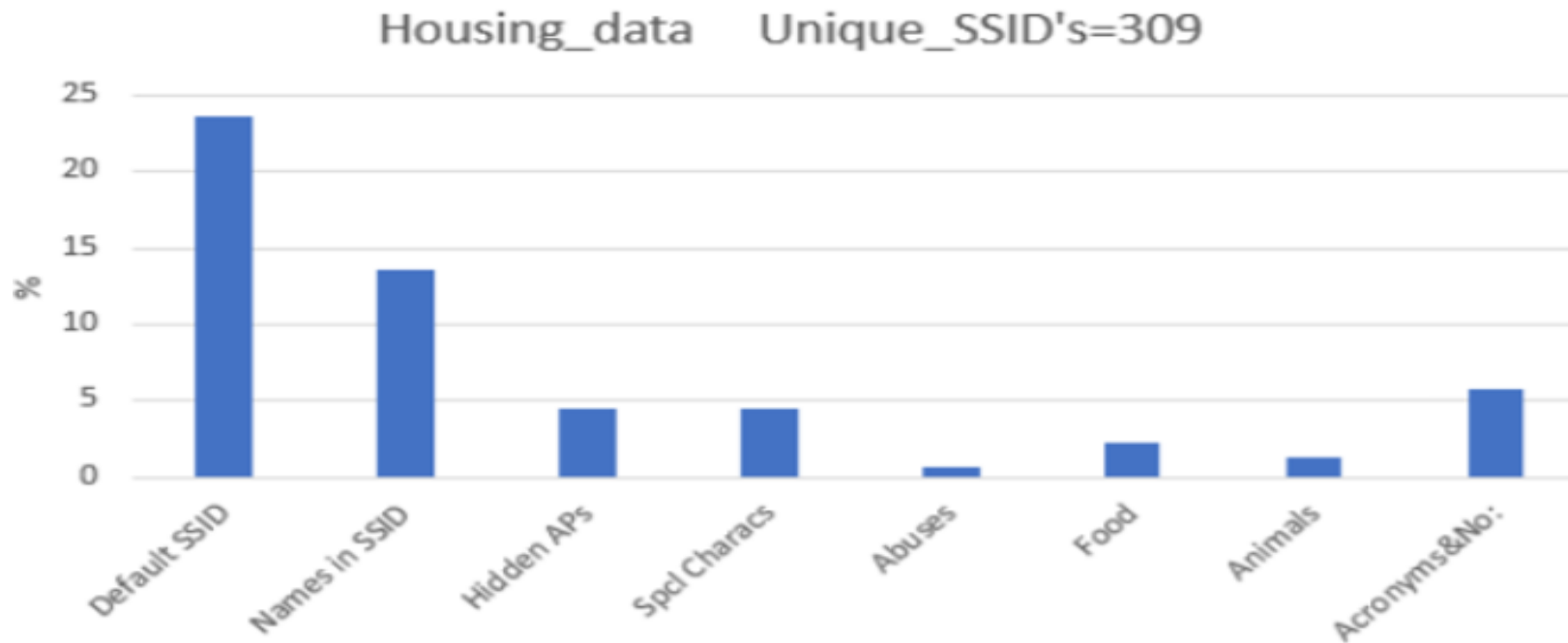
Words that appeared frequently --> Huize, Wifi, Router, 2.4Ghz, yo

Examples of SSID's with names of food --> lemoncustard, Muesli, appelstroop, Muffin

With names of animals--> FishesInAPond, cat, Panda

With spcl characs(excluding the usual – and _)--> !WIFI!, \$30/mins, #Skyroam_a2u, :)

With possible Acronyms and only Nos: 367, lxt, J51



Observations made for data captured across city areas:

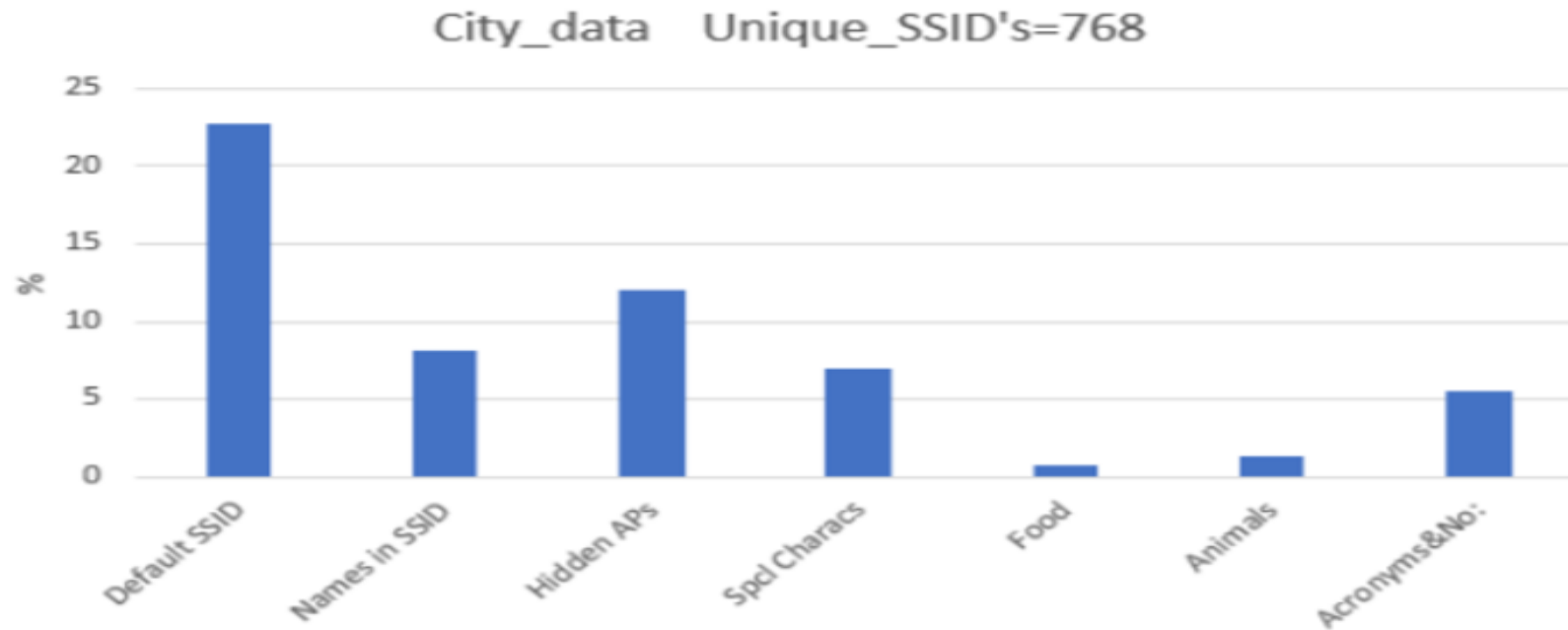
Average length of SSID found= 11

Words that appeared frequently --> Huize, Delft, De, 5G, &

Examples of SSID's with names of food -->pannekoek, chocolate_cookies, bananas

With names of animals--> Wasp, konijn(rabbit), Fish

With possible Acronyms and only No: CVT, 420, JSEHV



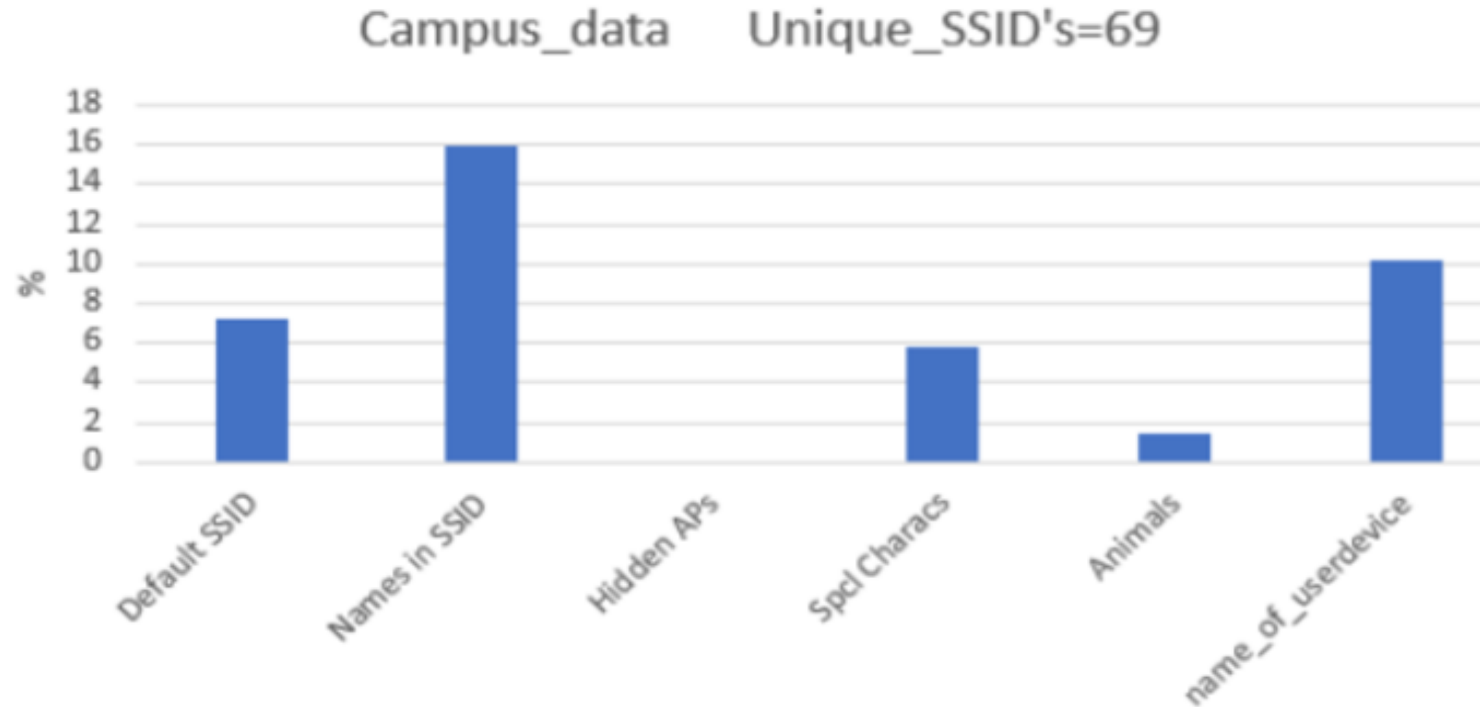
Observations made for data captured across campus area:

Average length of SSID found= 10

Words that appeared frequently --> Wifi, MAVSTART, Ziggo

With names of animals--> ijsbeer(Polar bear)

With names of user device--> Alienware, ASUS, Mike's iPhone

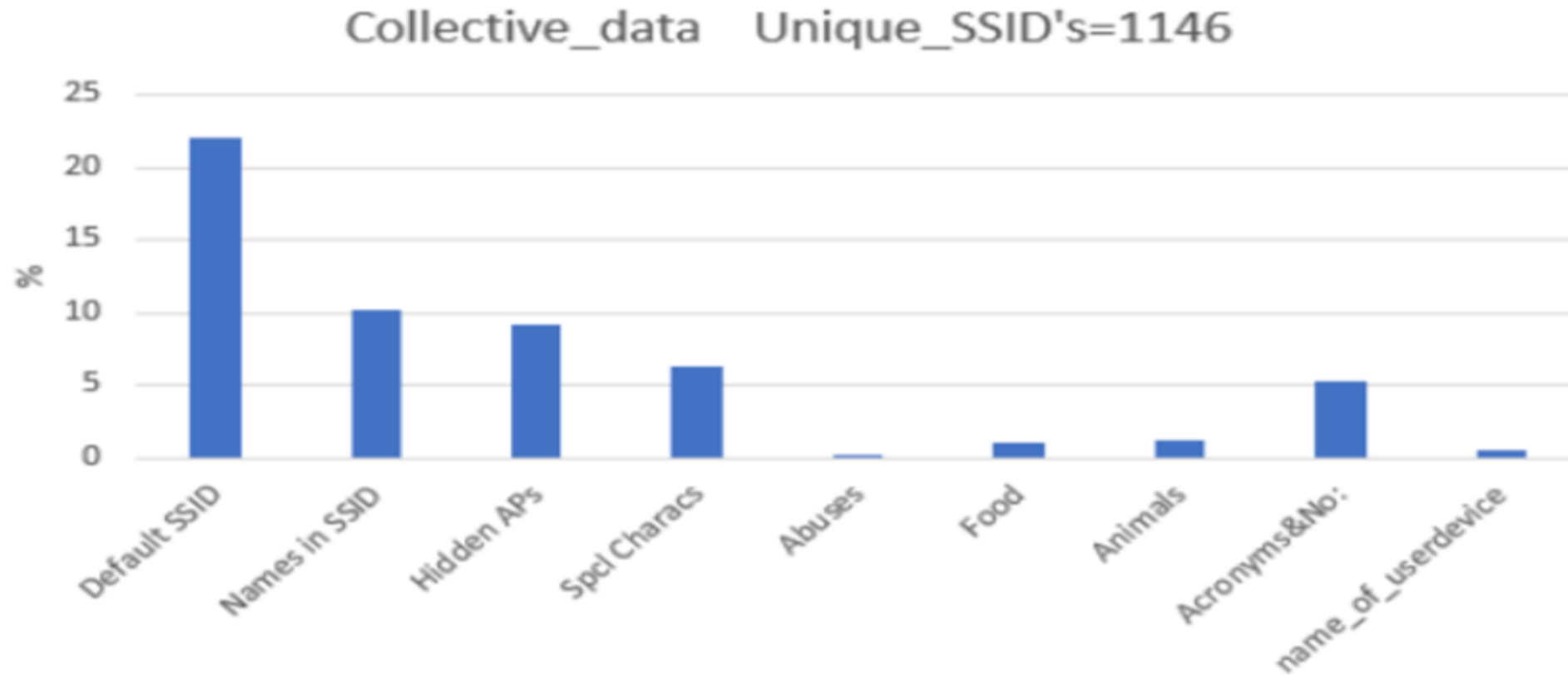


Observations made using the collective data of all three areas:

Unique SSID's found= 1146

Average length of SSID found= 11

Words that appeared frequently along with their frequency --> Ziggo, 5G, TP-LINK, Huize, Delft



Results

- 22 percent of people have default SSID
- Percentage of default SSID was more in housing and city than in campus
- 10 percent people specified their brand, shop or own name as SSID
- 9 percent of total SSID found were hidden
- 6 percent of people used special characters in their SSID

FUNNY/ABUSIVE SSIDs

IPPwhenIPooPoo

2 girls 1 router

MTBitches2

FuckTariq

Mom, click here for internet

IthurtswhenIP

Problem?

Love is in the air<3

Flowwjob

ModernDayCocaine

Hide yo kids hide yo wifi

No Need

Password is Pizza

We have your penguin

What if you combined them



- How are you? IthurtswhenIP. Probleem? IPPwhenIPooPoo
- Mom, click here for internet. The password is pizza
- Hide yo kids hide yo wifi, love is in the air <3
- 2 girls 1 router. Afblijen, niet van jou(Stay away not yours)
- HARDCOR RocketSurgeon promise MTBitches2 FuckTariq van 9 tot Zeven(from 9 to 7). Its gonna be Fantastic.

Questions

